



March 14, 2023

Air Pollution Control Board
800 South Victoria Avenue
Ventura, CA 93009

**SUBJECT: Authorization to Approve 43 Grant Funding Requests for New Agricultural Air Quality Projects Under the Carl Moyer Memorial Air Quality Standards Attainment Program Totaling \$4,072,108
(Recommendation #45 Requires Six Affirmative Votes)**

RECOMMENDED ACTIONS:

1. Approve grant funding up to \$49,328 to assist Alcantar Organic Farm with the purchase of a new, lower-emission farm tractor.
2. Approve grant funding up to \$134,513 to assist Aurora Berry Farms with the purchase of three (3) new, lower-emission farm tractors.
3. Approve grant funding up to \$93,808 to assist Boething Treeland Farms, Inc. with the purchase of two (2) new, lower-emission farm tractors and a new, lower-emission agricultural loader.
4. Approve grant funding up to \$121,773 to assist Catalinos Berry Farms with the purchase of a new, lower-emission farm tractor.
5. Approve grant funding up to \$26,907 to assist Channel Islands Flowers Inc. with the purchase of a new, lower-emission farm tractor.
6. Approve grant funding up to \$47,275 to assist Coultas Farming, Inc. with the purchase of a new, lower-emission farm tractor.
7. Approve grant funding up to \$107,349 to assist Duda Farm Fresh Food, Inc. with the purchase of two (2) new, lower-emission farm tractors.
8. Approve grant funding up to \$118,860 to assist Durango Harvest Inc. with the purchase of two (2) new, lower-emission farm tractors.
9. Approve grant funding up to \$54,075 to assist Filemon Morales Mendoza with the purchase of a new, lower-emission farm tractor.
10. Approve grant funding up to \$23,361 to assist Gigi's Rancho El Rincon with the purchase of a new, lower-emission farm tractor.

11. Approve grant funding up to \$169,611 to assist GJ Farms Inc. with the purchase of three (3) new, lower-emission farm tractors.
12. Approve grant funding up to \$143,906 to assist Grether Farming Company, Inc. with the purchase of two (2) new, lower-emission farm tractors and one (1) new, lower-emission agricultural forklift.
13. Approve grant funding up to \$2,230 to assist Holt Ranch with the purchase of a new, lower-emission agricultural loader.
14. Approve grant funding up to \$63,095 to assist Ishibashi Farms with the purchase of two (2) new, lower-emission farm tractors.
15. Approve grant funding up to \$30,209 to assist Israel Castellanos dba I&M Farms with the purchase of a new, lower-emission farm tractor.
16. Approve grant funding up to \$302,692 to assist Laubacher Farms Inc. with the purchase of a new, lower-emission farm tractor.
17. Approve grant funding up to \$221,877 to assist Leon Farming with the purchase of three (3) new, lower-emission agricultural forklifts.
18. Approve grant funding up to \$47,355 to assist Luciano Garcia Vega with the purchase of a new, lower-emission agricultural loader.
19. Approve grant funding up to \$112,695 to assist Marmolejō Farms Inc. with the purchase of two (2) new, lower-emission farm tractors.
20. Approve grant funding up to \$36,045 to assist Mayeda Farms Inc. with the purchase of a new, lower-emission farm tractor.
21. Approve grant funding up to \$18,900 to assist Miguel Romero Tlapapal with the purchase of a new, lower-emission farm tractor.
22. Approve grant funding up to \$31,276 to assist Mike's Farm Labor with the purchase of a new, lower-emission farm tractor.
23. Approve grant funding up to \$31,291 to assist Muranaka Farm, Inc. with the purchase of a new, lower-emission agricultural forklift.
24. Approve grant funding up to \$31,496 to assist Nathan A. Parsons with the purchase of a new, lower-emission farm tractor.
25. Approve grant funding up to \$313,802 to assist Naumann Ranch with the purchase of a new, lower-emission farm tractor.
26. Approve grant funding up to \$353,141 to assist Nunes Custom with the purchase of a new, lower-emission farm tractor.

27. Approve grant funding up to \$64,738 to assist Panamerican Farms, Inc. with the purchase of a new, lower-emission farm tractor.
28. Approve grant funding up to \$34,074 to assist Prancers Farm Inc. with the purchase of a new, lower-emission farm tractor.
29. Approve grant funding up to \$52,500 to assist R.A. Atmore & Sons, Inc. with the purchase of a new, lower-emission farm tractor.
30. Approve grant funding up to \$49,098 to assist R.H. Smith Family Properties, LLC with the purchase of two (2) new, lower-emission farm tractors.
31. Approve grant funding up to \$263,272 to assist Rancho Harvest Inc. with the purchase of four (4) new, lower-emission farm tractors.
32. Approve grant funding up to \$25,133 to assist Rancho Las Brisas with the purchase of a new, lower-emission farm tractor.
33. Approve grant funding up to \$30,527 to assist Rancho Marittista with the purchase of a new, lower-emission farm tractor.
34. Approve grant funding up to \$30,209 to assist Rendon Flower Growers LLC with the purchase of a new, lower-emission farm tractor.
35. Approve grant funding up to \$75,543 to assist Rio Farms, LLC with the purchase of two (2) new, lower-emission farm tractors.
36. Approve grant funding up to \$49,604 to assist S&S Plumbing with the purchase of a new, lower-emission agricultural loader.
37. Approve grant funding up to \$30,209 to assist Salvador Castellanos dba Blessed Farms with the purchase of a new, lower-emission farm tractor.
38. Approve grant funding up to \$120,430 to assist Santa Clara Farms, LLC with the purchase of a new, lower-emission agricultural loader and two (2) new, lower-emission farm tractors.
39. Approve grant funding up to \$65,888 to assist Sunset Farmer with the purchase of two (2) new, lower-emission farm tractors.
40. Approve grant funding up to \$134,196 to assist Travis Agricultural Construction, Inc. with the purchase of a new, lower-emission farm excavator and a new, lower-emission agricultural loader.
41. Approve grant funding up to \$47,607 to assist Venegas Farming, LLC with the purchase of a new, lower-emission farm tractor.
42. Approve grant funding up to \$23,466 to assist Waters Ranch LLC with the purchase of two (2) new, lower-emission farm tractors.

43. Approve grant funding up to \$263,744 to assist Zendejas Farms with the purchase of a new, lower-emission agricultural forklift and a new, lower-emission farm tractor.
44. Direct the Air Pollution Control Officer (APCO) to prepare a grant agreement for each approved air quality project utilizing the standard Carl Moyer Program grant agreement and authorize the APCO to sign the grant agreements on behalf of the Air Pollution Control District (District) and make any necessary minor administrative changes to the grant agreements subject to County Counsel review and approval.
45. Authorize the Auditor-Controller's Office to process the following accounting transactions in Special Revenue Fund O701-APCD Grants for FY 2022-2023 **(six affirmative votes required)**:

Increase Services and Supplies	\$4,072,108.00
Increase Intergovernmental Revenue	\$4,072,108.00

FISCAL/MANDATES IMPACT:

Mandatory: No

Sources of Funding:

California Air Resources Board (CARB) Grant Award, Year 24	\$3,942,428.00
Health & Safety Code § 44229 Funds [\$2 DMV fee]	\$68,980.30
CARB Carl Moyer Year 22 Grant Award (Grants 22-081 and 22-082 adjustments)	\$7,890.00
CARB Carl Moyer Year 23 Grant Award (Grant 23-057 declined)	\$40,603.00
Eclipse Berry Farms Bankruptcy Distribution January 13, 2022,	\$7,118.93
Interest Earned on Carl Moyer Program Funds	\$5,087.77

Funding Match Required: Yes.

CARB requires total local matching funds of \$894,028 for the Carl Moyer Program Year 24 Grant Award of \$5,960,186.

Source of Match Funding:

Health & Safety Code § 44229 Funds [\$2 DMV fee]

District staff requests your Board's approval and modification of the District's expense and revenue appropriations for the above-recommended projects.

STATEMENT OF MATTER FOR BOARD CONSIDERATION:

Background

The Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program, Health & Safety Code §44275 et seq.)¹ provides monetary incentives through local air pollution control districts to replace older, heavy-duty diesel equipment with newer, lower-emission equipment. Permanent destruction of the older, high-emissions equipment is required as part of the program.

Senate Bill 513 (SB 513, Beall, 2015) provided new opportunities to update the Carl Moyer Program. In response to SB 513, CARB updated the Carl Moyer Program Guidelines in 2017 to adjust the cost-effectiveness limits, increase opportunities for co-funding with other incentives, and allow infrastructure projects. Infrastructure projects must be used to fuel, or power covered sources as defined by Health and Safety Code section 44275(a)(7) including, but not limited to, on-road, off-road, agricultural, and marine vessel emission sources. Infrastructure projects do not require destruction of older, higher-polluting equipment and are not required to meet a cost-effectiveness threshold.

In March 2022, the District advertised the availability of Carl Moyer grant funds by posting the announcement on its website, by emailing the announcement to interested parties and organizations, and by contacting local equipment dealers and installers who spread the word to their customers and potential grant applicants. The deadline for submitting applications was June 10, 2022. The District received applications for grant funding to replace 105 pieces of diesel agricultural equipment, seven pieces of diesel off-road equipment (non-agricultural), six diesel school buses, install four electric charging infrastructure projects, and repower seven commercial marine vessels. The total grant funding requested by applicants was \$14,440,112.

District staff evaluated the eligibility of each Carl Moyer grant application and related piece of equipment, as well as the costs and benefits of the newer and cleaner equipment. Staff then ranked each eligible piece of equipment against the others in terms of dollars per ton of air pollutants reduced. The most cost-effective agricultural equipment applications are proposed for funding.

This year marks the twenty-fourth year the District has administered a local Carl Moyer grant program. The grants previously approved by your Board and the instant proposed grants are summarized in the table below. The proposed grants only include agricultural equipment replacement projects. Your Board approved the six marine repower projects and single off-road, non-agricultural project chosen for Year 24 in October 2022.

Calendar Year	Authorized Funding	Commercial Fishing Boats / Engines		Ag Pumps	On-Road	Non-Farm Off-Road	Mobile Ag Equip.	Total Engines	Infra-structure	Grant Contracts
1999	\$1,074,122	9	18	4	14	0	0	36	0	10
2000	\$919,925	4	12	0	7	0	0	19	0	8
2001	\$1,272,534	12	22	4	16	0	0	42	0	18
2002	\$530,321	10	12	6	4	0	0	22	0	15
2003	\$1,018,912	8	15	8	4	2	0	29	0	16
2004	\$976,049	6	15	4	0	2	0	21	0	9
2005	\$949,298	7	15	0	6	0	0	21	0	9
2006	\$2,986,456	12	18	8	10	23	0	59	0	24
2007	\$3,122,603	8	19	121	0	9	0	149	0	44
2008	\$1,546,024	10	12	11	5	3	2	33	0	22
2009	\$2,395,163	12	19	7	0	4	16	46	0	28
2010	\$2,179,106	1	2	30	0	2	59	93	0	38
2011	\$2,790,642	0	0	5	0	0	88	93	0	37
2012	\$3,075,744	1	2	1	0	0	73	76	0	39
2013	\$3,075,451	3	8	18	0	0	63	89	0	47
2014	\$2,773,279	5	7	45	0	0	26	78	0	45
2015	\$2,778,060	2	3	13	0	0	54	70	0	38
2016	\$3,932,419	2	6	4	0	0	70	80	0	45
2017	\$2,576,268	2	3	0	0	0	38	41	0	28
2018	\$2,587,138	5	11	0	0	1	23	35	0	19
2019*	\$62,792	0	0	3	0	0	0	3	0	2
2019	\$2,387,232	2	6	0	0	0	25	31	2	21
2020	\$3,728,872	3	6	0	0	0	57	63	2	37
2021 Marine	\$552,115	3	6	0	0	0	0	6	0	3
2021 Ag	\$2,827,886	0	0	0	0	0	50	50	0	32
2022 Marine	\$567,705	6	6	0	0	0	0	6	0	6
2022 Off-Road Non-Ag	\$400,000	0	0	0	0	1	0	1	0	1
2023 Ag†	\$4,072,108	0	0	0	0	0	68	68	0	49
Totals	\$57,158,224	133	243	292	66	47	712	1360	4	690

* Agricultural Assistance Program projects approved by your Board on September 10, 2019.

† This proposal includes agricultural equipment replacement projects only.

Current Proposal

Based on District staff analysis of all Carl Moyer Program agricultural equipment replacement applications and corresponding equipment, we recommend your Board approve a total of \$4,072,108 in funding for the 69 engines in 43 agricultural equipment replacement projects described in Attachment 1 and as set forth in Recommended Actions 1 through 43 above. The total cost of the funded projects, including each applicant's cost share, is \$7,004,501.12.

The proposed projects result in overall projected emission reductions of 35.16 tons per year of ozone precursors, 2.70 tons per year of diesel particulate matter, and 1,024.6 metric tons of carbon dioxide (a greenhouse gas) per year.

Staff will administer the grant agreements and ensure contract requirements are met before making grant payments. The APCO requests authorization to make any necessary minor administrative changes to the grant agreements subject to County Counsel review and approval.

The Auditor-Controller's office and County Counsel have reviewed this letter. If you have any questions, please contact Tyler Harris (Program Administrator) at (805) 207-3102 or Nancy Mendoza (Fiscal) at (805) 303-4013.



ALI R. GHASEMI, P.E.
Air Pollution Control Officer

Attachment:

Carl Moyer Program Recommendations for Funding, March 14, 2023.

¹ The program is named after the late Dr. Carl Moyer in recognition of his work in the air quality field and his efforts in establishing the program.

Carl Moyer Program Recommendations for Funding
March 14, 2023

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	Ranking Cost Effectiveness (\$ per wieghted ton)	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emssion Reduction Metric TPY
24-043	Alcantar Organic Farm	Farm Tractor	\$89,689.00	\$49,328	\$3,937.91	0.558	0.033	0.037	12.2
24-052	Aurora Berry Farms	Farm Tractor	\$78,290.00	\$62,632	\$3,995.75	0.564	0.072	0.051	6.4
24-052	Aurora Berry Farms	Farm Tractor	\$78,290.00	\$62,632	\$4,603.59	0.389	0.063	0.05	7.0
24-052	Aurora Berry Farms	Farm Tractor	\$20,200.00	\$9,249	\$6,499.83	0.035	0.007	0.005	0.1
24-029	Boething Treeland Farms, Inc.	Farm Tractor	\$22,786.56	\$13,671	\$10,615.28	0.027	0.006	0.005	0.1
24-029	Boething Treeland Farms, Inc.	Farm Tractor	\$22,786.56	\$13,671	\$4,830.48	0.04	0.038	0.011	0.2
24-029	Boething Treeland Farms, Inc.	Agricultural Loader	\$144,000.00	\$66,466	\$7,582.86	0.38	0.062	0.048	5.8
24-061	Catalinos Berry Farms	Farm Tractor	\$532,000.00	\$121,773	\$6,279.70	0.942	0.08	0.052	80.7
24-003	Channel Islands Flowers Inc.	Farm Tractor	\$38,439.00	\$26,907	\$8,379.77	0.102	0.01	0.011	1.1
24-009	Coultas Farming, Inc.	Farm Tractor	\$67,537.00	\$47,275	\$5,252.36	0.319	0.049	0.029	2.0
24-040	Duda Farm Fresh Food, Inc.	Farm Tractor	\$100,871.00	\$60,522	\$2,375.43	0.917	0.115	0.083	21.0
24-040	Duda Farm Fresh Food, Inc.	Farm Tractor	\$100,871.00	\$46,827	\$1,932.84	0.984	0.122	0.073	20.6
24-025	Durango Harvest Inc	Farm Tractor	\$84,900.00	\$59,430	\$5,142.52	0.767	0.099	0.057	7.1
24-025	Durango Harvest Inc	Farm Tractor	\$84,900.00	\$59,430	\$6,670.90	0.591	0.076	0.044	6.1
24-014	Filemon Morales Mendoza	Farm Tractor	\$77,250.00	\$54,075	\$6,933.63	0.395	0.051	0.036	4.0
24-011	Gigi's Rancho El Rincon	Farm Tractor	\$33,373.00	\$23,361	\$3,987.59	0.084	0.084	0.023	1.2
24-036	GJ Farms Inc.	Farm Tractor	\$103,871.00	\$62,322	\$2,514.79	0.892	0.112	0.081	19.8
24-036	GJ Farms Inc.	Farm Tractor	\$74,945.00	\$44,967	\$2,429.12	0.751	0.094	0.056	10.6
24-036	GJ Farms Inc.	Farm Tractor	\$103,871.00	\$62,322	\$3,221.90	0.823	0.086	0.057	16.5
24-010	Grether Farming Company, Inc.	Farm Tractor	\$59,043.00	\$41,330	\$4,883.11	0.298	0.046	0.028	1.8
24-010	Grether Farming Company, Inc.	Farm Tractor	\$59,043.00	\$41,330	\$5,894.27	0.206	0.034	0.025	1.6
24-010	Grether Farming Company, Inc.	Agricultural Forklift	\$87,495.00	\$61,246	\$10,693.66	0.169	0.028	0.021	1.3
24-001	Holt Ranch	Agricultural Loader	\$68,077.00	\$27,230	\$4,288.73	0.135	0.031	0.025	1.2
24-064	Ishibashi Farms	Farm Tractor	\$63,600.00	\$31,047	\$5,999.99	0.167	0.017	0.018	1.7
24-064	Ishibashi Farms	Farm Tractor	\$63,600.00	\$32,048	\$5,999.83	0.172	0.017	0.019	1.7
24-013	Israel Castellanos dba I&M Farms	Farm Tractor	\$43,157.00	\$30,209	\$7,842.25	0.086	0.079	0.02	0.9
24-046	Laubacher Farms Inc.	Farm Tractor	\$504,488.00	\$302,692	\$8,512.97	1.738	0.167	0.093	142.7
24-067	Leon Farming	Agricultural Forklift	\$110,345.00	\$77,241	\$4,779.52	0.591	0.087	0.052	5.2
24-067	Leon Farming	Agricultural Forklift	\$110,345.00	\$77,241	\$4,950.20	0.57	0.084	0.05	5.0
24-067	Leon Farming	Agricultural Forklift	\$110,345.00	\$67,395	\$5,999.99	0.333	0.054	0.04	3.5
24-017	Luciano Garcia Vega	Agricultural Loader	\$67,650.00	\$47,355	\$5,620.04	0.426	0.064	0.038	3.2
24-054	Marmolejō Farms Inc	Farm Tractor	\$110,000.00	\$54,097	\$6,499.91	0.299	0.039	0.027	3.0
24-054	Marmolejō Farms Inc	Farm Tractor	\$110,000.00	\$58,598	\$6,499.90	0.365	0.046	0.027	2.5
24-065	Mayeda Farms Inc.	Farm Tractor	\$85,560.00	\$36,045	\$5,999.90	0.141	0.08	0.021	2.4
24-027	Miguel Romero Tlapapal	Farm Tractor	\$27,000.00	\$18,900	\$8,757.64	0.059	0.051	0.013	0.3
24-051	Mike's Farm Labor	Farm Tractor	\$110,300.00	\$31,276	\$5,699.98	0.28	0.021	0.014	2.5
24-062	Muranaka Farm, Inc.	Agricultural Forklift	\$107,200.00	\$31,291	\$6,499.84	0.001	0.001	0.025	4.8
24-045	Nathan A. Parsons	Farm Tractor	\$44,995.00	\$31,496	\$2,713.76	0.42	0.063	0.037	2.9

Carl Moyer Program Recommendations for Funding
March 14, 2023

App No	Applicant	Type	Equipment Cost (excluding sales tax)	Proposed Grant	Ranking Cost Effectiveness (\$ per wighted ton)	NOx Emission Reduction TPY	ROG Emission Reduction TPY	PM Emission Reduction TPY	CO2 Emssion Reduction Metric TPY
24-034	Naumann Ranch	Farm Tractor	\$523,004.00	\$313,802	\$8,471.84	1.809	0.177	0.097	155.5
24-044	Nunes Custom	Farm Tractor	\$504,488.00	\$353,141	\$5,551.28	2.582	0.273	0.194	250.7
24-037	Panamerican Farms, Inc.	Farm Tractor	\$107,898.00	\$64,738	\$3,394.09	0.811	0.084	0.056	17.2
24-038	Prancers Farm Inc.	Farm Tractor	\$56,790.00	\$34,074	\$2,136.77	0.555	0.083	0.053	7.1
24-022	R.A. Atmore & Sons, Inc	Farm Tractor	\$75,000.00	\$52,500	\$5,525.55	0.383	0.062	0.049	5.0
24-042	R.H. Smith Family Properties, LLC	Farm Tractor	\$36,264.00	\$21,758	\$1,877.14	0.181	0.167	0.044	4.3
24-042	R.H. Smith Family Properties, LLC	Farm Tractor	\$45,568.00	\$27,340	\$2,961.26	0.132	0.132	0.036	3.0
24-039	Rancho Harvest Inc.	Farm Tractor	\$109,698.00	\$65,818	\$3,844.55	0.728	0.076	0.051	14.5
24-039	Rancho Harvest Inc.	Farm Tractor	\$109,698.00	\$65,818	\$7,475.06	0.452	0.029	0.023	7.9
24-039	Rancho Harvest Inc.	Farm Tractor	\$109,698.00	\$65,818	\$8,207.16	0.412	0.025	0.021	7.2
24-039	Rancho Harvest Inc.	Farm Tractor	\$109,698.00	\$65,818	\$8,301.68	0.407	0.025	0.02	7.0
24-032	Rancho Las Brisas	Farm Tractor	\$41,889.00	\$25,133	\$3,151.22	0.122	0.116	0.03	2.1
24-006	Rancho Marittista	Farm Tractor	\$43,611.00	\$30,527	\$5,319.71	0.177	0.028	0.02	0.8
24-020	Rendon Flower Growers LLC	Farm Tractor	\$43,157.00	\$30,209	\$5,129.34	0.3	0.045	0.027	1.5
24-055	Rio Farms, LLC	Farm Tractor	\$63,600.00	\$36,927	\$5,999.90	0.152	0.012	0.024	3.8
24-055	Rio Farms, LLC	Farm Tractor	\$63,600.00	\$38,616	\$5,999.93	0.158	0.012	0.026	4.2
24-021	S&S Plumbing	Agricultural Loader	\$70,864.00	\$49,604	\$8,533.13	0.202	0.047	0.038	2.7
24-012	Salvador Castellanos dba Blessed Farms	Farm Tractor	\$43,157.00	\$30,209	\$9,442.18	0.072	0.066	0.017	0.6
24-053	Santa Clara Farms, LLC	Farm Tractor	\$133,000.00	\$93,100	\$4,446.80	0.766	0.111	0.067	8.6
24-053	Santa Clara Farms, LLC	Farm Tractor	\$20,200.00	\$14,140	\$4,897.20	0.069	0.013	0.011	0.4
24-053	Santa Clara Farms, LLC	Farm Tractor	\$20,200.00	\$13,190	\$6,499.52	0.045	0.009	0.008	0.2
24-002	Sunset Farmer	Farm Tractor	\$26,591.00	\$18,613	\$4,246.07	0.069	0.063	0.017	0.6
24-002	Sunset Farmer	Farm Tractor	\$67,537.00	\$47,275	\$4,324.90	0.383	0.059	0.036	3.2
24-035	Travis Agricultural Construction, Inc.	Agricultural Excavator	\$102,112.00	\$61,267	\$3,719.71	0.517	0.078	0.058	7.4
24-035	Travis Agricultural Construction, Inc.	Agricultural Loader	\$121,549.00	\$72,929	\$2,959.76	0.708	0.014	0.09	12.7
24-007	Venegas Farming, LLC	Farm Tractor	\$68,011.00	\$47,607	\$7,423.91	0.328	0.024	0.016	3.3
24-033	Waters Ranch LLC	Farm Tractor	\$23,466.00	\$11,733	\$5,510.55	0.035	0.009	0.009	0.3
24-033	Waters Ranch LLC	Farm Tractor	\$23,466.00	\$11,733	\$10,682.42	0.034	0.004	0.004	0.2
24-041	Zendejas Farms	Farm Tractor	\$329,229.00	\$197,537	\$5,063.90	1.927	0.164	0.102	74.4
24-041	Zendejas Farms	Agricultural Forklift	\$110,345.00	\$66,207	\$4,844.54	0.295	0.063	0.055	7.2
TPY = tons per year		Totals	\$7,004,501.12	\$4,072,108.00		30.83	4.34	2.70	1024.6